

FIG. 1

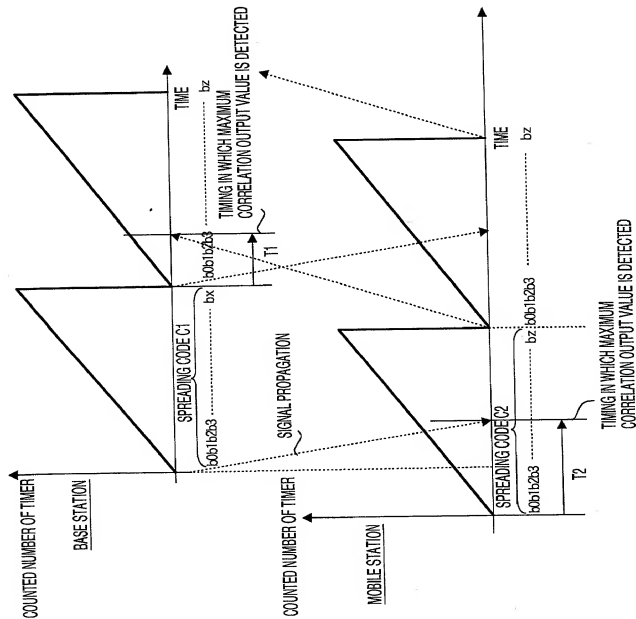


FIG. 2

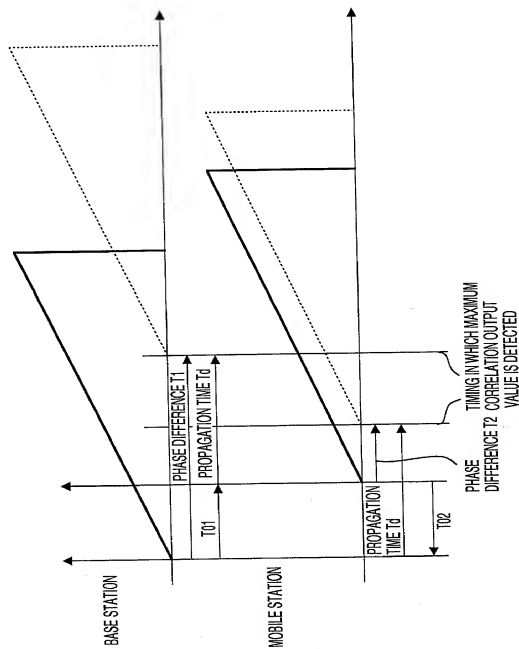


FIG. 3

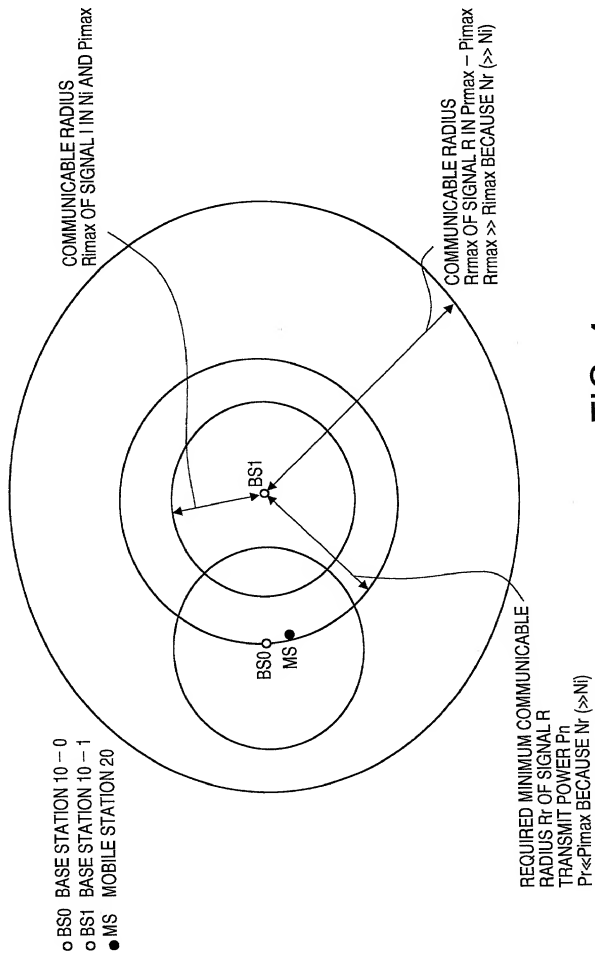


FIG. 4

- BS0 MAIN BASE STATION 10-0
- BS1 SUB BASE STATION 10-1
- BS2 SUB BASE STATION 10-2
- MS MOBILE STATION 20

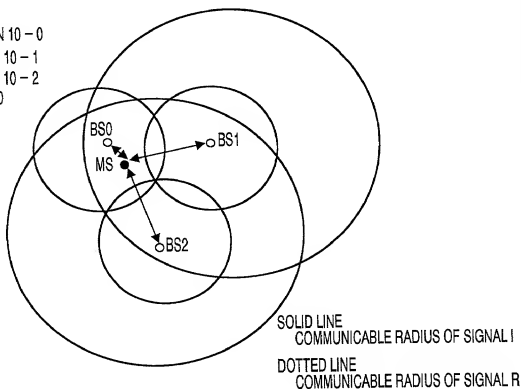
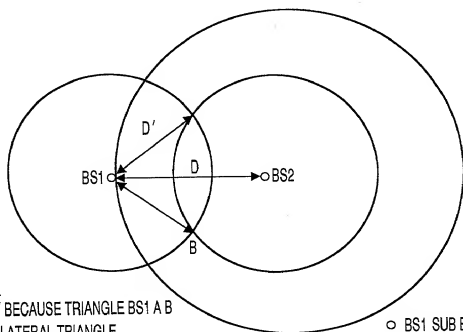


FIG. 5



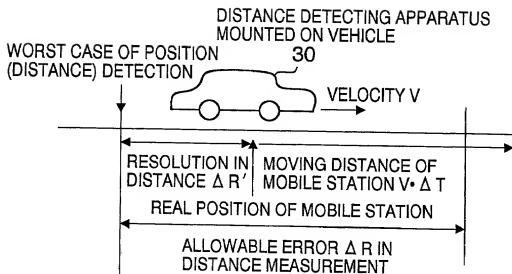
$D = \sqrt{3}D'$ BECAUSE TRIANGLE BS1 A B
IS EQUILATERAL TRIANGLE
D=DISTANCE BETWEEN
BASE STATION 10-1 AND 10-2
D' =CELL RADIUS OF BASE STATION

- BS1 SUB BASE STATION 10-1
- BS2 SUB BASE STATION 10-2

SOLID LINE
COMMUNICABLE RADIUS OF SIGNAL I (IDEAL)

DOTTED LINE
COMMUNICABLE RADIUS OF SIGNAL R (IDEAL)

FIG. 6



WHEN $\Delta T > (\Delta R - \Delta R') / V$, ERROR IN DISTANCE MEASUREMENT
BY MOBILE STATION MAY EXCEED ALLOWABLE ERROR ΔR IN
DISTANCE MEASUREMENT
POSITION DETECTION SHOULD BE PERFORMED DURING PERIOD
SHORTER THAN ΔT

FIG. 7